

Date: Wed, 27 Jul 94 00:40:22 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #844
To: Info-Hams

Info-Hams Digest Wed, 27 Jul 94 Volume 94 : Issue 844

Today's Topics:

 144MHz x-mitter
 Any 800 MHz Modes for the FT-470?
 Did CB's used to require licenses? (2 msgs)
 Extended Transceive For FT-470
 Favor ATV newsgroup/mailling list
 Finally! I got my license!
 Hap Holly, KC9RP
 HTX-202 Extended Rcv
 Kenwood TS-820 question
 New England Repeaters
 NM Ham Plates?
 QRP NEWSGROUP?
 repeaters in the microwave bands

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 26 Jul 1994 08:24:59 -0400
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!howland.reston.ans.net!gatech!gt-
news!prism!prism!not-for-mail@network.ucsd.edu
Subject: 144MHz x-mitter
To: info-hams@ucsd.edu

I need plans to build a tiny two meter transmitter that will operate in
beacon operation on less than a watt. A ham friend and I plan to launch
this transmitter in model rockets in order to do some experimenting with
ham radio. I know that controllers for models that operate less than a

watt don't require identification to be given. Would this apply in this situation? Please send me any ideas or references as to how I could build this device and if and how I will need to use it to transmit identification.

Thank You,
Joel Odom

--

Joel V. Odom	KB5GWK	+	pi=	~3.14159265358979323846264338327950
24879 Georgia Tech		+++++		28841971693993751058209749445923
Atlanta, GA 30332		+	physics	07816406286208998628034825342117
gt4879a@prism.gatech.edu		+	major	067982148086513282306647....

Date: 26 Jul 1994 19:10:40 -0000
From: news.delphi.com!news.delphi.com!not-for-mail@uunet.uu.net
Subject: Any 800 MHz Modes for the FT-470?
To: info-hams@ucsd.edu

Hello,

Has anyone discovered any mods to unlock the 800MHz range of the Yaesu FT-470? I have heard that it is possible to preform this mod on the Japanese version of this radio. So I guess that it is reasonable to assume that the same thing can be accomplished with the US / European Versions?

Thanx

Date: Tue, 26 Jul 1994 13:17:07 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!dancer.ca.sandia.gov!cronkite.nersc.gov!fastrac.llnl.gov!lll-winken.llnl.gov!sol.ctr.columbia.edu!howland.reston.ans.net!europa.eng.gtefsd.@ihnp4.ucsd.edu
Subject: Did CB's used to require licenses?
To: info-hams@ucsd.edu

In article <fkilpatr.775148334@afit.af.mil> fkilpatr@afit.af.mil (Freeman A. Kilpatrick) writes:

>I'm almost ashamed to admit it, but when I was about 10 (1975), I
>had a CB license and a little CB base station. I remember at that
>time that I had a CB license, but I don't remember if they were
>actually *required* or not. It seems like the CB bands were fairly
>well-behaved (politeness-wise) at that time, but it sounds like
>they are pretty chaotic now (I haven't listened since 75). This
>brings up the following question:
>Why are the Ham bands more polite and well-behaved than the CB bands?

Yes, CB once required a license, though there was no test. It *was*

a polite service back in the 1950s and 1960s, but that's because US *society* was polite back then too. The 55 MPH speed limit came in time to follow the Great Society experiment and in time for the Woodstock generation. General respect for law and order broke down, kids didn't have firm parental supervision any more because women went into the work force, etc. Eventually we got the chaos we have today with kids shooting kids on the street, and foul mouthed cretins making fools of themselves on radio.

Oddly enough, those same people, when met in other contexts, don't behave like pseudo-redneck idiots. That's key to understanding the psychology of CB. CB is an anonymous service where people hide behind "handles" instead of using their real names. Thus they can act out their most abberent fantasies without the shame that such acts would cause them if done openly under their own names.

Amateur radio is made up mostly of older people who grew up before the societal breakdown in morals, and amateurs still insist on usage of real names. Thus the service is a throwback to the 1950s in it's social behavior.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 26 Jul 94 19:52:56 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!dancer.ca.sandia.gov!
cronkite.nersc.gov!fastrac.llnl.gov!lll-winken.llnl.gov!korie!cs.utexas.edu!
convex!convex.com!horak@network.ucsd.edu

Subject: Did CB's used to require licenses?

To: info-hams@ucsd.edu

In <1994Jul26.131707.204@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>Yes, CB once required a license, though there was no test.

I remember my CB call. It was KCB5623. No one thought it was real because of the K"CB" part. Everyone said, "Gee Dave, you could have been more original than that". Anyway, it WAS my real call!

David N50FQ

Date: 26 Jul 1994 19:06:47 -0000
From: news.delphi.com!news.delphi.com!not-for-mail@uunet.uu.net
Subject: Extended Transceive For FT-470
To: info-hams@ucsd.edu

Has anyone out there preformed the mod on the FT-470 that enables Transceive in the 140 - 174 MHz range? I cracked open the radio and looked for the pads at the lithium battery at the 10:00 position, and all I found was a pile of white goo (RTV for the battery). My question is this, what do I do exactly, do I simply place a small jumper wire accross this vertical pad? Do I need to remove or reposition any resistors?

Date: Tue, 26 Jul 1994 18:40:40 GMT
From: ihnp4.ucsd.edu!news.service.uci.edu!ttinews!avatar!sorgatz@network.ucsd.edu
Subject: Favor ATV newsgroup/mailling list
To: info-hams@ucsd.edu

Ok I'll admit it...I caught the ATV bug recently...count me in! Esp FM ATV circuits..there is so little written about it! And it looks SO MUCH BETTER than AM TV!!

73!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +-----+
TTI(es@soldev.tti.com)or: sorgatz@avatar.tti.com *Government produces NOTHING! *
3100 Ocean Park Blvd. Santa Monica, CA 90405 +-----+
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

Date: 26 Jul 1994 11:50:34 -0700
From: ihnp4.ucsd.edu!agate!barrnet.net!nntp.crl.com!crl5.crl.com!not-for-mail@network.ucsd.edu
Subject: Finally! I got my license!
To: info-hams@ucsd.edu

It finally arrived!

Tech. Test Taken: 4/23/94
Effective Date : 7/14/94
Post Marked : 7/19/94
Received : 7/22/94

My call sign is KE6JDH. Anyway, take it easy!

Rob [KE6JDH]

Date: Tue, 26 Jul 1994 14:17:11
From: news.sprintlink.net!indirect.com!s146.phxslip.indirect.com!
lenwink@uunet.uu.net
Subject: Hap Holly, KC9RP
To: info-hams@ucsd.edu

Hap Holly, KC9RP, originator and host of the weekly R.A.I.N. Report will be the guest this Sunday, July 31, 1994, on the nationally syndicated Ham Radio & More show. It airs live Sundays at 6:00pm EST on the Talk America Network and via satellite on Spacenet 3, Transponder 9, 6.8 audio. Tune in to hear what Hap has to say. For station information, call 602-241-1510.
73, Len, KB7LPW

PS. A station list was just posted on rec.radio.info

Date: Tue, 26 Jul 1994 02:22:13 GMT
From: news.pipeline.com!malgudi.oar.net!witch!doghouse!jsalemi@uunet.uu.net
Subject: HTX-202 Extended Rcv
To: info-hams@ucsd.edu

In article <310dio\$gb6@booz.bah.com>, J. D. Delancy (k1zat@booz.bah.com) writes:
>Has anyone come up with a modification to the Radio Shack
>HTX-202 for extended receive below 144 and above 148? If
>so, how did you do it?
>

No such modification exists -- sorry! The RS unit gets its reputation for being virtually intermod-proof by having a tight receiver that can't be modified for out-of-band reception.

The only modification that works is to go back to Radio Shack, buy a handheld scanner the same size, and tape it to the HTX-202. Voila -- extended receive. <g>

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: Tue, 26 Jul 1994 13:47:14 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!agate!boulder!csn!yuma!
galen@network.ucsd.edu
Subject: Kenwood TS-820 question
To: info-hams@ucsd.edu

In article <01HF5MAFEW4I9EGMKQ@gmr.com> A15TAH%ANDV06@gmr.COM writes:
>For all you knowledgable folks, I have recently purchased a Kenwood TS-
>820. I want to run it from the car, the manual says there is an option
>I could buy, but there is also a diagram for wiring a new power plug.
>My question is, has anyone wired a new power plug without using the
>DC-DC option?

Yes, you get no TX but you can RX. If you have a service manual, it isn't
hard to build the converter.

>Anyone know of where I can buy the CW filter for this
>rig?

International Radio and Computer makes one, used ones pop up now & then.

Galen, KF0YJ

Date: Tue, 26 Jul 94 02:15:14 GMT
From: elroy.jpl.nasa.gov!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!
csus.edu!netcom.com!netcomsv!vitsemi!rob@ames.arpa
Subject: New England Repeaters
To: info-hams@ucsd.edu

In article <1994Jul20.231504.1@vax.sonoma.edu> harrisok@vax.sonoma.edu writes:
>In article <Greenberg-200794092655@greenberg-t.aero.org>,
Greenberg@aerospace.aero.org (Steve Greenberg) writes:
>> If possible, could someone with a list of 2 meter and 220 mhz repeaters in
>> the Boston and Cape Cod areas please post this info here or by e-mail.
>> Thanks for reading this and the help.

I would also like to see this info very much. In fact, I was going to post
this and then saw Steve's post and decided to do a follow up post. I am
interested in 2m and 440 repeaters, particularly on the lower Cape.

>Steve, a nice little book to have with you is the ARRL repeater directory. It
>is fairly cheap and is usually good for a couple of years at least. :-)

Last year, when I was on Cape Cod I tried this method. The directory listed a number of repeaters. I was only able to bring one of them up, and got no replies when giving my call and asking for a reply. Perhaps I was not copyable. I think this repeater was in or near Dennis, MA. The directory also listed a repeater nearby, but there was no activity on its frequency and I was not able to bring it (if it indeed existed) up. So the ARRL directory may not be the best source of information for this area. Or the repeater may have been down temporarily.

Actually, on this frequency I was able to make contacts via a repeater in Maine, near the Canadian border. It was quite a treat to talk on 2m to hams hundreds of miles away. So, the effort was a success - just not in the way I expected :-).

To be fair, this is the only significant problem I have had with the ARRL repeater directory. As I said, it may not be the directory's fault. It seems to be accurate in my region.

I also checked with Conway Yee's online directory, only one entry in Falmouth which is pretty far from where I'll be. Perhaps hams in the area would like to help him out with more submissions. His address is yee@mipg.upenn.edu.

Hopefully, I'll hear from some Cape Codders soon.

>I have tried to e-mail you a few different times before but it always seems to
>get returned.

Yes, Steve. I sent you email also. It was returned 'user unknown'. It appeared to go to the correct host.

73!

Rob

--

Rob Eccles | Disclaimer: The statements made here
rob@vitsemi.com | do not represent my employer.
"Hope for the best, but prepare for the worst." -unknown

Date: 25 Jul 1994 23:08:21 -0400

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!gt-news!prism!prism!not-
for-mail@network.ucsd.edu

Subject: NM Ham Plates?

To: info-hams@ucsd.edu

Hiya, folks...

I'm gonna be moving to New Mexico within the next 6 weeks and was wondering how much it's gonna cost me to get amateur radio tags on my truck... And also how much to get a NM DL. Thanks for any info. (BTW, the truck is a 1991 Ford Ranger, if that makes a diff ;))

Thanks in advance

-Andrew
KE4FOJ

--

Andrew W. Tipton, KE4FOJ | BNE | MSNE |
gt2913c@prism.gatech.edu | 9/94 |UNM, 96|

Date: 26 Jul 1994 20:43:24 GMT
From: news.tek.com!tekgp4.cse.tek.com!royle@uunet.uu.net
Subject: QRP NEWSGROUP?
To: info-hams@ucsd.edu

jeffrey@kahuna.tmc.edu (Jeffrey Herman):

:In article <30ogpc\$t68@ns.sunbelt.net> ddepew@CHM.TEC.SC.US writes:
:>
:>Does anyone know of a QRP newsgroup? I have subscribed to a QRP mailing
:>list on the Net, but keep seeing references to a newsgroup...can't find it...
:>any help appreciated. Tnx es 73.

. . .

:For anyone who is interested, you can sub and unsub automatically
:by sending an email to: majordomo@think.com and only write in the body:
:(un)subscribe qrp *or*
:(un)subscribe qrp-digest
:depending upon whether you want to receive each article as an individual
:email or all the day's articles in just one mailing.
:You'll receive an message within a few minutes from think.com
:welcoming you to the net with some info about it. If you want
:to post an article use the address: qrp@think.com

The posting system seems to work ok, as I posted something and received several comments. But "subscribe qrp-digest" doesn't. I've sent it twice as described, and never received any acknowledgement or email.

Roy Lewallen, W7EL
roy.lewallen@tek.com

Date: 26 Jul 1994 12:29:47 -0600
From: agate!doc.ic.ac.uk!hgmp.mrc.ac.uk!news.dcs.warwick.ac.uk!str-ccsun!strath-
cs!bnr.co.uk!bt!pipex!howland.reston.ans.net!spool.mu.edu!mnemosyne.cs.du.edu!
nyx10.cs.du@ihnp4.ucsd.edu
Subject: repeaters in the microwave bands
To: info-hams@ucsd.edu

I've seen a lot of articles in QST and other magazines on how to build simple transceivers for point to point CW and SSB use. There are also articles on dedicated point to point links, using microwaves for linking repeaters together or as a high speed packet backbone. I got to wondering if it was possible to construct omnidirectional repeaters and end-user packet BBS connections using microwaves.

All of the microwave antenna articles I've read describe directional antennas like beams and dishes. What type of omnidirectional antenna would you use for microwave frequencies ? I've seen some stacked dipole antennas for 1.2 Ghz. What works on 10 Ghz ?

Microwave packet links would allow users to have access to much more sophisticated services on BBSes like X-windows and hypertext. The software for these services exists but the 1200 bps links most people use are way too slow. On the user end you'd need a network card for your PC, a high speed modem/radio, and a transverter to microwave frequencies.

Also, has anyone conducted experiments with microwave repeaters ? The highest frequency repeaters listed in the ARRL repeater directory are in 1.2 Ghz amateur band. You could build a self contained dish and transverter that connects to 2m HT with a short coax line. This would allow people to get on the air inexpensively without buying a dedicated microwave transceiver.

The line of sight requirements would limit the coverage of microwaves compared to VHF so you'd tend to have more repeaters with smaller coverage areas, especially in areas without mountains or tall buildings for repeater sites. I don't see any technical problem in implementing this with current microwave components. There are problems with:

- 1) Lack of good signal path during casual use due to walls, trees, buildings, etc.

2) Health hazards from radiation if you crank up the power enough to get a good signal because of walls, trees, buildings, etc.

3) Multipath interference due to walls, tree, buildings, etc. Multipath can be reduced somewhat by using special antennas and signal processing.

So, writing as one who has read about microwaves, but never used them what are the biggest problems ? Are omnidirectional microwave communications above 1.2 Ghz possible ?

Warren Kinninger, N9MLK
wkinning@nyx.cs.du.edu

Date: Tue, 26 Jul 1994 05:55:50 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
To: info-hams@ucsd.edu

References <1994Jul23.113217.33@alison.sbc.edu>, <CtFK7z.H0F@news.hawaii.edu>, <CtIww3.K8p@vcd.hp.com>
Subject : Re: Did someone say . . . bolus ?

In article <CtIww3.K8p@vcd.hp.com> dmunroe@vcd.hp.com (Lola Cosworth) writes:

>
>
>>Jeff NH6IL (oh how I wish I would have kept my old call: WA6QIJ)
>
>Jeff, your remark intrigues me. I have yet to get my license, since I'm still
>a few weeks away from the test, but I can see that call signs are a very
>personal part of amateur radio. Why do you like your old 2x3 call sign better
>than the higher ranked 2x2?
>
>I've heard that there once was a time when "preferred" call signs could be
>obtained, like personalized license plates I suppose. Too bad we can't
>have that any more, though I do hope there's a small chance of me getting
>the call sign K7LID.

I believe that many of us are proud of the length of time we've been licensed, and one's callsign is a fairly good indicator of the time you've put in the service. My WA6QIJ call was issued back in 1976. When I moved to Hawaii I was hoping to receive a KH6xx call but instead got the N callsign. I guess having been in the military I feel that the N calls somehow belong to the Navy/Coast Guard, and hams should only have W and K calls.

If we eventually get to 'buy' our calls I'll ask for my WA6 call

back. According to the callbook it hasn't been re-issued.

Jeff NH6IL
jeffrey@math.hawaii.edu

Date: 26 Jul 1994 15:25:17 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!ncar!csn!col.hp.com!fc.hp.com!news.lvld.hp.com!
scott@network.ucsd.edu
To: info-hams@ucsd.edu

References <1994Jul13.221526.6932@ke4zv.atl.ga.us>,
<304ho6\$3hk@hplvec.lvld.hp.com>, <306dh1\$13h@network.ucsd.edu>
Subject : Re: which Ringo do I buy?

Sorry about the delay in following up. I've been out of town for over a week.

Brian Kantor (brian@nothing.ucsd.edu) wrote:
: My goodness, if all you want is to work local repeaters and short
: distance simplex, just buy an S0239 connector (about a dollar) and
: five pieces of 1/16" brazing rod.

Rest of description of simple homebrew antenna deleted.

Brian, of course you can build your own. That's always an option. All it costs is time and materials. It can also be fun if that's what you're in the mood to do. And well constructed homebrew antennas can work as well as *anything* available commercially, Cushcraft, Diamond or anybody else. But that's not what we were talking about. And at the ~\$40-\$50 price of a Ringo Ranger II (or less at hamfests) you'd still be hard pressed to build something for *much* less if you didn't already have materials on hand.

Note also that I never said a word about "local" repeaters or "short" distance simplex. I can work repeaters from ridiculous distances. 'Course I live in Colorado where we have 14K' granite towers for some repeaters :-). On the other hand, I've had some interesting FM simplex contacts with stations over some very poor paths at quite impressive distances for a vertical. Greeley to Colorado Springs or Laramie Wyoming for example. Check the map and note that both paths have substantial ridges in the way. That's not bad for a "fit to be a ground rod, maybe" kind of antenna.

: The coax to hook it up will cost more than the antenna did.

The coax to hook up my Ringo cost more than my Ringo too.

Scott Turner KG0MR scott@hpsla.LVLD.HP.COM

Date: 26 Jul 1994 12:10:47 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!blanket.mitre.org!linus.mitre.org!
newsflash.mitre.org!appler@network.ucsd.edu
To: info-hams@ucsd.edu

References <30v3fd\$bfv@hobbes.cc.uga.edu>, <slayCtHCJK.F7r@netcom.com>,
<310ls3\$odu@watnews1.watson.ibm.com>h.mitre
Subject : Re: Gateway to packet email?

Vinod Narayanan (vinod@watson.ibm.com) wrote:
: In article <slayCtHCJK.F7r@netcom.com>, slay@netcom.com (Sandy Lynch) writes:
: |> Zack Lester (zlester@athena) wrote:
: |> : Is there a gateway where I can send email to people who have a tnc? I
: heard of gate.ampr.org, but I can't get it to work.
: |>
: |> Generally speaking, if you are not a licensed radio amateur, it is highly
: |> unlikely that any of the Sysops of the Internet/Packet gateways will allow
: |> e-mail going from you (unlicensed) to a (licensed) ham; on the other hand,
: |> a licensed ham - formally registered with the gateway, will probably have
: |> no trouble sending mail out thru the gateway to an unlicensed person.
: |> The bottom line is that only communications originating my licensed
: |> hams is permitted to go out over the radio waves.
: |>
: |> Cheers
: |> Sandy
: |> WA6BXH
: |> slay@netcom.com
: |>

: Does anyone have a listing of such gateways, and instructions on
: how to register? It will be some time before I set up a packet
: station, but I would like to send messages to people over packet
: from the internet.

I am also interested in this...please forward any info you receive. Thank you,

Matthew Appler

: --vinod, N2ZKE

: email: vinod@watson.ibm.com

End of Info-Hams Digest V94 #844
